TETRA TECH

February 28, 2023

Mr. Robert Kondreck
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 5
Superfund and Emergency Management Division
77 West Jackson Boulevard
Chicago, Illinois 60604

Subject: **Data Validation Report**
Nelson Knitting Site - RV
EPA Contract No.: 68HE0519D0005
Task Order/Task Order Line Item No.: 68HE0520F0032 / 0001DL101
Document Tracking No. 1668

Dear Mr. Kondreck:

Tetra Tech, Inc. (Tetra Tech) is submitting this data validation report for nine suspect asbestos air samples (including five field blanks) collected at the Nelson Knitting Site. The samples were collected on February 6, 7, 8, and 10 of 2023, and were analyzed for asbestos by NIOSH 7400 (phase contrast light microscopy) at Eurofins Aerotech Built Environment Testing, Inc. The laboratory data package was received on February 16, 2023.

This checklist summarizes the Stage 1 validation performed on the subject laboratory report, in accordance with the EPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan (QAPP), Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 4* (August 2022), the EPA *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020), and the EPA *PLM Validation Process Guidelines for Asbestos Data Review* (October 2016).

No rejection of results was required for this data package. The results may be used as reported by the laboratory and as qualified based on the findings of this validation effort.

If you have any questions regarding this data validation report, please call me at 409-767-0933.

Sincerely,

Joe M Parish

Joe M. Parish
Environmental Scientist

Tetra Tech, Inc.
1 South Wacker Dr. Suite 3700, Chicago, IL 60606
Tel 312.201.7479 | Fax 312.201.0031
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Enclosure
cc: Karl Schultz, Tetra Tech Program Manager
Alexis Enright, Tetra Tech Project Manager
Mayra Arroyo Ortiz, Tetra Tech Project Document Control Coordinator
TO/TOLIN File

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ATTACHMENT

DATA VALIDATION REPORT
EUROFINS AEROTECH BUILT ENVIRONMENT TESTING, INC
REPORT NO. 3163991

Stage 1 Data Verification Checklist

Nelson Knitting Site - RV

68HE0520F0032 / 001DL101

Reviewed by: Joe M. Parish

Laboratory: Eurofins Aerotech Built Environment Testing, Inc
Report No: 3163991

√	1.	Chain of custody (CoC) documentation is present.
√	2.	Sample receipt condition information is present and acceptable.
√	3.	Laboratory conducting the analysis is identified.
X	4.	All samples submitted to the laboratory are accounted for.
√	5.	Requested analytical methods were performed.
√	6.	Analysis dates are provided.
√	7.	Analyte results are provided.
NA	8.	Result qualifiers and definitions are provided.
√	9.	Result units are reported.
√	10.	Requested reporting limits are present.
√	11.	Method detection limits are present.
√	12.	Sample collection date and time are present.

Notes:

2. The laboratory notes that samples collected on February 6, 7, and 8 did not meet method requirements for two field blanks per sample set, although this was corrected for the samples collected on and by February 10, 2023. Therefore, three of the four sample sets did not meet QC requirements. The laboratory stated that all samples received were otherwise in acceptable condition, but did not give additional details (such as temperature or presence of custody seals), and it as assumed that the samples met method criteria for analysis.

Analytical data were evaluated in general accordance with the Tetra Tech *Quality Assurance Project Plan (QAPP), Superfund Technical Assessment and Response Team (START V), EPA Region 5, Revision 4* (August 2022), the EPA *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020), and the EPA *PLM Validation Process Guidelines for Asbestos Data Review* (October 2016).

Eurofins Aerotech Built Environment Testing, Inc.
1501 West Knudsen Drive, Phoenix, AZ 85027
(800) 651-4802 www.eurofinsus.com/Built

Client: Tetra Tech, Inc. - Chicago
C/O: Alexis Enright
Re: Nelson Knitting Site - RV

Date of Receipt: 02-13-2023
Date of Report: 02-16-2023

ASBESTOS AND OTHER FIBERS BY PCM: NIOSH 7400 METHOD

Lab ID-Version‡	Volume (liters)	Fibers Detected	Fields Read	Fibers/mm²	95% UCL*	Fibers per CC
Location: NK-PA01-01-20230206, Personnel Entry				Comments: Filter contains abundant particulates that may adversely affect the analytical result.		
15301541-1	5,488.5	8.5	100	10.83	< 0.002 (Sr = 0.38)	< 0.001
Location: NK-FB-20230206, Field Blank 02062023				Comments:		
15301542-1	0	< 5.5	100	< 7 U	N/A (Sr = N/A)	N/A
Location: NK-PA01-01-20230207, Personnel Entry				Comments:		
15301543-1	6,195	< 5.5	100	< 7 U	< 0.001 (Sr = N/A)	< 0.001
Location: NK-FB-20230207, Field Blank 02072023				Comments:		
15301544-1	0	< 5.5	100	< 7 U	N/A (Sr = N/A)	N/A
Location: NK-PA01-01-20230208, Personnel Entry				Comments:		
15301545-1	7,010.2	< 5.5	100	< 7 U	< 0.001 (Sr = N/A)	< 0.001
Location: NK-FB-20230208, Field Blank 02082023				Comments:		
15301546-1	0	< 5.5	100	< 7 U	N/A (Sr = N/A)	N/A
Location: NK-PA01-01-20230210, Personnel Entry				Comments:		
15301547-1	6,976.43	< 5.5	100	< 7 U	< 0.001 (Sr = N/A)	< 0.001
Location: NK-FB01-20230210, Field Blank 021020203				Comments:		
15301548-1	0	< 5.5	100	< 7 U	N/A (Sr = N/A)	N/A
Location: NK-FB02-20230210, Field Blank 021020204				Comments:		
15301549-1	0	< 5.5	100	< 7 U	N/A (Sr = N/A)	N/A

JMP 02/22/2023

Interpretation is left to the company and/or persons who conducted the field work.
Field blanks, if submitted with the project, have been used to correct the data. Omission of 2 field blank samples should be considered a deviation from the NIOSH 7400 method.
Reporting limit is calculated using a minimum detection limit of 7 fibers/mm2.
* Upper 95% Confidence Limit for fibers/cc, calculated using a relative standard deviation value (intralaboratory Sr) mentioned above.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".